



## CITY OF NORMAN, OK STAFF REPORT

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**MEETING DATE:** 1/18/2022

**REQUESTER:** Rachel Croft, Staff Engineer

**PRESENTER:** Rachel Croft, Staff Engineer

**ITEM TITLE:** CONSIDERATION OF AWARDING, ACCEPTANCE, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF BID 2122-32: FOR THE PURCHASE OF A THIRTY (30) TON CARBON DIOXIDE TANK FROM TOMCO SYSTEMS COMPANY IN THE AMOUNT OF \$228,975 FOR THE WATER TREATMENT PLANT CARBON DIOXIDE REPLACEMENT TANK.

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### **BACKGROUND:**

The existing carbon dioxide tank at the City's Water Treatment Plant is aging and vendors are not able to supply replacement parts or provide maintenance services to the model any longer. Carbon dioxide is used to adjust the pH of the drinking water to optimum levels to prevent scaling within the treatment plant and distribution system.

A previous bid (2122-22) was awarded to Wynn Construction Co., Inc. for the removal/disposal of the existing tank and installation of the new tank in the amount of \$75,000 on November 9, 2021. Alternate bids for the tanks were obtained but it was determined that a new bid be created for the purchase and delivery of the tank in order to better compare the two tanks from different vendors and allow for a fair bid environment.

### **DISCUSSION:**

The Invitation to Bid for Bid 2122-32 for Project WA0374 – Water Treatment Plant Carbon Dioxide Replacement Tank, was published in the *Norman Transcript* on November 11 and November 18, 2021, and contained an Alternate Bid A and an Alternate Bid B for the purchase and delivery of either a 30-ton foam insulated tank or a 30-ton vacuum sealed tank, respectively.

Two (2) bidders attended the optional pre-bid meeting held on November 22, 2021. Bids were opened on December 9, 2021, and two (2) manufacturers submitted bids. One bid was received for Alternate Bid A in the amount of \$228,975 and two bids were received for Alternate Bid B which ranged from \$254,785 to \$262,870.

Staff required bidders to also include references and life cycle analyses for 20-year and 40-year periods in order to compare energy, maintenance, and future capital costs needed for the two different types of tanks. Based on these life cycle analyses, both bidders indicated a higher

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energy and operations and maintenance costs for the vacuum-sealed tank (Alternate Bid B). Therefore, staff recommends the award of the foam-insulated tank (Alternate Bid A) to Tomco Systems Co. in the amount of \$228,975.

Funding for the purchase and delivery of the tank will be \$228,975 from the Water Treatment Plant Replacement Carbon Dioxide Tank construction account – (WA0374-CONST - 31999939-46101) with an available balance of \$274,812.66. Funds for the installation by Wynn Construction Co. in the amount \$75,000 were previously awarded as stated above and were previously encumbered.

Work on this project will commence after the tank has been ordered and delivered to the Water Treatment Plant, which has an estimated delivery date of April 30, 2022. Work will continue for approximately 2 months.

**RECOMMENDATION:**

Staff recommends the NUA accept bids meeting project specifications; award Bid 2122-32 to Tomco Systems Company for Project WA0374, Water Treatment Plant Carbon Dioxide Replacement Tank, in the amount of \$228,975.